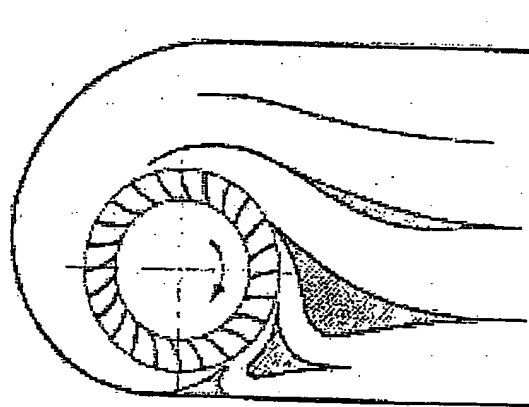


1x
 \approx wheel
 diameter

Figure 1a (Prior Art)
 Guide vanes in diffuser discharge



$\approx 2x$ wheel
 diameter

Figure 1b (Prior Art)
 High aspect ratio discharge

Guide Vanes

Multiple
Discharge
Points

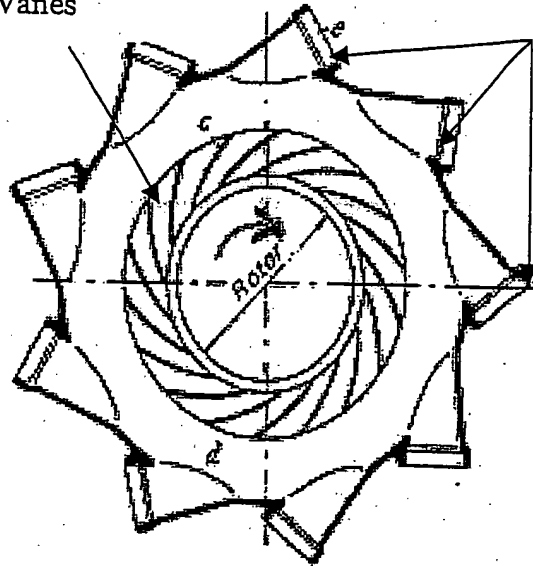


Figure 2b (Prior Art)
Vane diffuser w/ multiple discharges

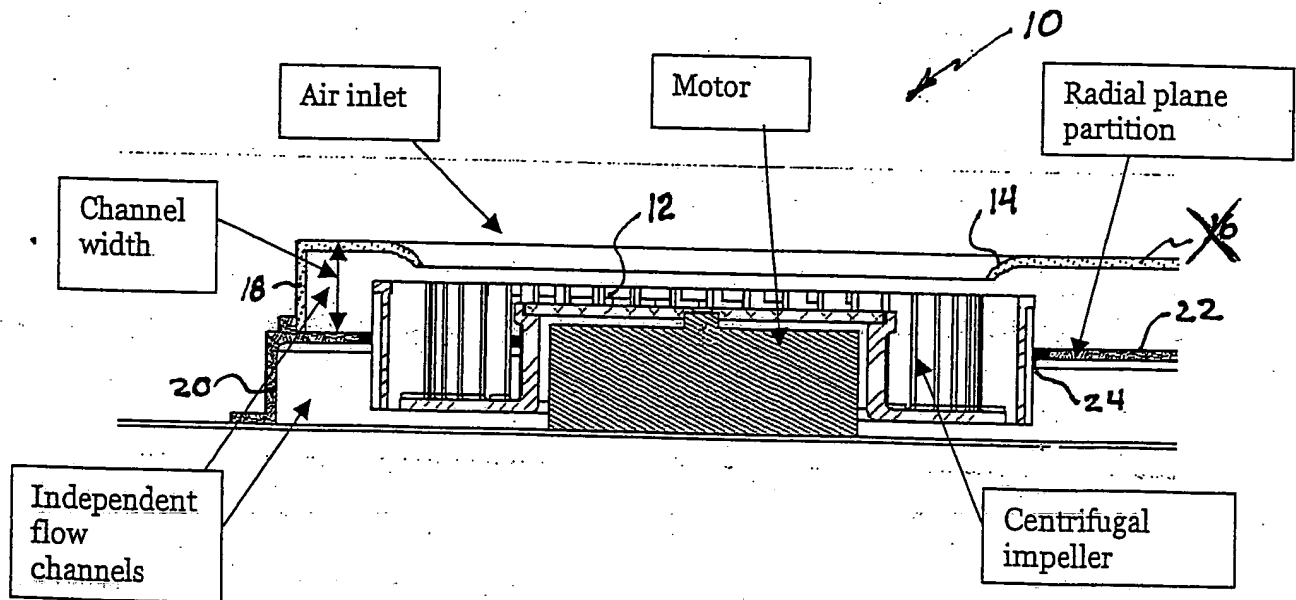


Figure 3
New design approach